



Infrastructure · Water · Environment · Buildings

Mr. Keith Krawczyk
MDEQ-RRD-Superfund
Constitution Hall – 3rd Floor South
P.O. Box 30426
525 West Allegan Street
Lansing, Michigan 48909-7926

Subject:

Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
King Highway Landfill Operable Unit 3 Progress Report (January 2012)

Dear Keith:

Attached is the January 2012 Monthly Progress Report for the King Highway Landfill Operable Unit 3 (KHL OU) of the Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site (Site) as per Section XVI of the Administrative Order by Consent for the Remedial Design/Remedial Action at the KHL OU, as was fully executed on February 8, 2000 (AOC). Please note, however, pursuant to Section XVI of the AOC, after a Certificate of Completion of Construction is issued by the Michigan Department of Environmental Quality (MDEQ), as provided in Section XXVII (Certificate of Completion of Construction) of the AOC, progress reports shall be submitted pursuant to the schedules set forth in the plans identified in the Statement of Work.

If you have any questions, please do not hesitate to contact me.

Sincerely,

ARCADIS

Patrick McGuire
Principal Environmental Engineer

Attachment

Copies:

Garry Griffith, P.E., Georgia-Pacific LLC
Daria Devantier, Michigan Department of Environmental Quality
Michael Berkoff, USEPA Region 5
Dawn Penniman, P.E., ARCADIS

ARCADIS

6723 Towpath Road
P.O. Box 66
Syracuse
New York 13214-0066
Tel 315.446.9120
Fax 315.671.9450
www.arcadis-us.com

ENVIRONMENT

Date:

February 1, 2012

Contact:

Patrick McGuire

Phone:

315.671.9233

Email:

Pat.McGuire@arcadis-us.com

Our ref:

B0064583.0003.00675

US EPA RECORDS CENTER REGION 5



434849

**MONTHLY PROGRESS REPORT FOR THE KING HIGHWAY LANDFILL OPERABLE UNIT 3 OF THE
ALLIED PAPER, INC./PORTAGE CREEK/
KALAMAZOO RIVER SUPERFUND SITE**

JANUARY 2012

PREPARED FEBRUARY 1, 2012

ON BEHALF OF GEORGIA-PACIFIC LLC

SUBMITTED TO

**KEITH KRAWCZYK, PROJECT COORDINATOR
REMEDATION AND REDEVELOPMENT DIVISION**

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

**MONTHLY PROGRESS REPORT FOR THE KING HIGHWAY LANDFILL OPERABLE UNIT 3 OF THE
ALLIED PAPER, INC./PORTAGE CREEK/
KALAMAZOO RIVER SUPERFUND SITE**

JANUARY 2012

Remedial Activities

- On January 3, Georgia-Pacific LLC (Georgia-Pacific) received liner certifications associated with the installation of the geomembrane for the final cover system at the KHL from TRC Companies, Inc. (TRC) (TRC acquired the Environmental Business Unit of RMT, Inc. in June 2011), including GSI Non-Destructive Testing Forms, GSI Geomembrane Repair Report Forms, GSI Panel Seaming Forms, GSI Trial Weld Testing Report Forms, GSI Destructive Testing Report Forms, GSI Panel Placement Forms, TRI Geomembrane Conformance Test Results; and particle size analysis reports on aggregates from Balkema Sand & Gravel used in construction of the gas-venting layer. However, ARCADIS previously retained copies of these items.
- On January 6, representatives from Georgia-Pacific, MDEQ, and ARCADIS participated in a conference call to discuss the revised Section 11 of the DRAFT FINAL *Final Report for Completion of Construction* (Draft Final Completion Report); and the RMT record drawings and liner certifications received from TRC. ARCADIS distributed an agenda for the aforementioned conference call on January 5.
- On January 9, MDEQ transmitted to Georgia-Pacific a countersigned copy of the modified schedule for completing the Deliverables/Milestones in the AOC's Scope of Work for the KHL OU.
- On January 9, MDEQ transmitted an e-mail from the Michigan Department of Attorney General (MDAG; Polly Synk) regarding the status of the Draft Restrictive Covenants for the KHL OU and Mill Lagoons and the draft amendment to the AOC eliminating the requirement to use the old Restrictive Covenant format, which were submitted to Georgia-Pacific and Miller Canfield (Ron Baylor) for review in an August 2, 2011 e-mail from MDAG.
- On January 19 and 20, ARCADIS, on behalf of Georgia-Pacific, submitted the DRAFT FINAL *Operation and Maintenance Plan* (Draft Final O&M Plan; Deliverable 12), and the Draft Final Completion Report (Deliverable 14) to MDEQ for review.
- On January 23, ARCADIS submitted to MDEQ the December 2011 Monthly Progress Report.
- On January 23, ARCADIS, on behalf of Georgia-Pacific, submitted to MDEQ Attachments 1 and 2 of the cover letter to the January 2012 version of the Draft Final Completion Report. Attachment 1 provides a list of ARCADIS' correspondence with TRC regarding the request for RMT record drawings and liner certifications related to the KHL OU. Attachment 2 provides TRC's letter documenting their efforts to locate the RMT record drawings and liner certifications requested by ARCADIS.

**MONTHLY PROGRESS REPORT FOR THE KING HIGHWAY LANDFILL OPERABLE UNIT 3 OF THE
ALLIED PAPER, INC./PORTAGE CREEK/
KALAMAZOO RIVER SUPERFUND SITE**

JANUARY 2012

Operation, Maintenance and Monitoring Activities

- On January 20, MDEQ provided Georgia-Pacific with a list of operation and maintenance activities to be addressed at the KHL OU.
- On January 24, ARCADIS responded to MDEQ's list of maintenance activities, indicating follow-up actions (where appropriate).
- On January 27, ARCADIS contacted Terra Contracting, LLC (Terra) regarding the spacing and content of the warning signs along the perimeter of the KHL OU and the grass trimming at the site. Terra indicated that they would review the warning signs onsite to determine the warning signs that would require replacement and locations where warning signs would need to be installed to meet the 200-foot interval spacing in accordance with the AOC. Terra also indicated that they completed brush removal along the entire perimeter site security fencing last year.
- ARCADIS has been in communication with MDEQ to schedule the 2012 1st quarter landfill gas monitoring event, which is scheduled for February 16 at 10:00 a.m. During the monitoring event, ARCADIS field staff will install sampling ports and valves on gas probes GW-1 through GW-17 (where necessary) and will install bolts on flush-mounted gas probes where the bolts are currently missing.

**MONTHLY PROGRESS REPORT FOR THE KING HIGHWAY LANDFILL OPERABLE UNIT 3 OF THE
ALLIED PAPER, INC./PORTAGE CREEK/
KALAMAZOO RIVER SUPERFUND SITE**

JANUARY 2012

Remedial Activities

- On January 3, Georgia-Pacific LLC (Georgia-Pacific) received liner certifications associated with the installation of the geomembrane for the final cover system at the KHL from TRC Companies, Inc. (TRC) (TRC acquired the Environmental Business Unit of RMT, Inc. in June 2011), including GSI Non-Destructive Testing Forms, GSI Geomembrane Repair Report Forms, GSI Panel Seaming Forms, GSI Trial Weld Testing Report Forms, GSI Destructive Testing Report Forms, GSI Panel Placement Forms, TRI Geomembrane Conformance Test Results; and particle size analysis reports on aggregates from Balkema Sand & Gravel used in construction of the gas-venting layer. However, ARCADIS previously retained copies of these items.
- On January 6, representatives from Georgia-Pacific, MDEQ, and ARCADIS participated in a conference call to discuss the revised Section 11 of the DRAFT FINAL *Final Report for Completion of Construction* (Draft Final Completion Report); and the RMT record drawings and liner certifications received from TRC. ARCADIS distributed an agenda for the aforementioned conference call on January 5.
- On January 9, MDEQ transmitted to Georgia-Pacific a countersigned copy of the modified schedule for completing the Deliverables/Milestones in the AOC's Scope of Work for the KHL OU.
- On January 9, MDEQ transmitted an e-mail from the Michigan Department of Attorney General (MDAG; Polly Synk) regarding the status of the Draft Restrictive Covenants for the KHL OU and Mill Lagoons and the draft amendment to the AOC eliminating the requirement to use the old Restrictive Covenant format, which were submitted to Georgia-Pacific and Miller Canfield (Ron Baylor) for review in an August 2, 2011 e-mail from MDAG.
- On January 19 and 20, ARCADIS, on behalf of Georgia-Pacific, submitted the DRAFT FINAL *Operation and Maintenance Plan* (Draft Final O&M Plan; Deliverable 12), and the Draft Final Completion Report (Deliverable 14) to MDEQ for review.
- On January 23, ARCADIS submitted to MDEQ the December 2011 Monthly Progress Report.
- On January 23, ARCADIS, on behalf of Georgia-Pacific, submitted to MDEQ Attachments 1 and 2 of the cover letter to the January 2012 version of the Draft Final Completion Report. Attachment 1 provides a list of ARCADIS' correspondence with TRC regarding the request for RMT record drawings and liner certifications related to the KHL OU. Attachment 2 provides TRC's letter documenting their efforts to locate the RMT record drawings and liner certifications requested by ARCADIS.

**MONTHLY PROGRESS REPORT FOR THE KING HIGHWAY LANDFILL OPERABLE UNIT 3 OF THE
ALLIED PAPER, INC./PORTAGE CREEK/
KALAMAZOO RIVER SUPERFUND SITE**

JANUARY 2012

Operation, Maintenance and Monitoring Activities

- On January 20, MDEQ provided Georgia-Pacific with a list of operation and maintenance activities to be addressed at the KHL OU.
- On January 24, ARCADIS responded to MDEQ's list of maintenance activities, indicating follow-up actions (where appropriate).
- On January 27, ARCADIS contacted Terra Contracting, LLC (Terra) regarding the spacing and content of the warning signs along the perimeter of the KHL OU and the grass trimming at the site. Terra indicated that they would review the warning signs onsite to determine the warning signs that would require replacement and locations where warning signs would need to be installed to meet the 200-foot interval spacing in accordance with the AOC. Terra also indicated that they completed brush removal along the entire perimeter site security fencing last year.
- ARCADIS has been in communication with MDEQ to schedule the 2012 1st quarter landfill gas monitoring event, which is scheduled for February 16 at 10:00 a.m. During the monitoring event, ARCADIS field staff will install sampling ports and valves on gas probes GW-1 through GW-17 (where necessary) and will install bolts on flush-mounted gas probes where the bolts are currently missing.